



# State Revolving Fund Loan Programs

## Drinking Water, Wastewater, Nonpoint Source

---

### ENVIRONMENTAL ASSESSMENT AND FINDING OF NO SIGNIFICANT IMPACT

---

#### INDIANA AMERICAN WATER GARDEN CITY WATER MAIN EXTENSION PROJECT SRF PROJECT DW 09 95 89 01

**DATE:** September 3, 2009

**TARGET PROJECT APPROVAL DATE:** October 3, 2009

#### I. INTRODUCTION

The above entity has applied to the Drinking Water State Revolving Loan Fund (SRF) for a loan to finance all or part of the drinking water project described in the accompanying Environmental Assessment (EA). As part of facilities planning requirements, an environmental review has been completed which addresses the project's impacts on the natural and human environment. This review is summarized in the attached EA.

#### II. PRELIMINARY FINDING OF NO SIGNIFICANT IMPACT (FNSI)

The SRF Drinking Water Program has evaluated all pertinent environmental information regarding the proposed project and determined that an Environmental Impact Statement is not necessary. Subject to responses received during the 30-day public comment period, and pursuant to Indiana Code 4-4-11, it is our preliminary finding that the construction and operation of the proposed facilities will result in no significant adverse environmental impact. In the absence of significant comments, the attached EA shall serve as the final environmental document.

#### III. COMMENTS

All interested parties may comment upon the EA/FNSI. Comments must be received at the address below by the deadline date above. Significant comments may prompt a reevaluation of the preliminary FNSI; if appropriate, a new FNSI will be issued for another 30-day public comment period. A final decision to proceed, or not to proceed, with the proposed project shall be effected by finalizing, or not finalizing, the FNSI as appropriate. Comments regarding this document should be sent within 30 days to:

Amy Henninger  
Senior Environmental Manager  
State Revolving Fund -- IGCN 1275  
100 N. Senate Ave.  
Indianapolis, IN 46204  
317-232-6566

---

# ENVIRONMENTAL ASSESSMENT

---

## I. PROJECT IDENTIFICATION

Project Name and Address: **Garden City Water Main Extension**  
555 East County Line Road, Suite 201  
Greenwood, IN 46142

SRF Project Number: DW 09 95 89 01

Authorized Representative: Mr. Stacy Hoffman

## II. PROJECT LOCATION

The proposed water main project parallels Martin Road and US 27, beginning at Tingle Road and continuing to the mobile home community of Garden City. The project area is just outside the City of Richmond, in Wayne Township, Wayne County, Section 8, Township 14 North, Range 15 East (Fountain City, Indiana USGS Quadrangle Map). See Figure RICH 1.

## III. PROJECT NEED AND PURPOSE

The groundwater wells that serve the mobile home community of Garden City are contaminated with arsenic. The proposed project would extend a new water main from Richmond to the community and replace the existing deteriorated lines within the community, thereby eliminating the resident's reliance on the contaminated wells.

## IV. PROJECT DESCRIPTION

The proposed project entails installing approximately 10,010 linear feet of 8" ductile pipe. The new main will connect to an existing 12" main at the intersection of Martin and Tingle Road. New service meters and pits will be installed within the community.

## V. ESTIMATED PROJECT COSTS, AFFORDABILITY AND FUNDING

### A. Selected Plan Estimated Cost Summary

#### Construction Costs

10,010 LF of 8-inch Water Main	\$ 270,270
130 LF of 6-inch Water Main	3,510
11 Fire Hydrants	24,200
24 8-inch Gate Valve and Box	22,080

11 6-inch Gate Valve and Box	9,020
80 Service Meters and Pits	52,000
Service Connections	32,000
Mobilization/Demobilization	12,390
Site Restoration	12,390
Traffic Maintenance	8,260
Contingency (15%)	<u>66,920</u>
Construction total	\$ 513,040

#### **Non-Construction Costs**

Land & Right of Way Acquisition	\$ 10,000
Archaeological Research	3,000
Engineering Fees – Survey	6,600
Design and Inspection	195,000
Permits	<u>600</u>
Non-Construction total	\$ 215,200

**Total Estimated Project Cost    \$ 728,240**

**B.** Indiana American Water will finance the project with a 20-year loan of approximately \$728,240 from the State Revolving Fund (SRF) Loan Program at an interest rate to be determined at the time of loan closing. Monthly user rates and charges may need to be analyzed to determine if adjustments are required for loan repayment.

## **VI. DESCRIPTION OF EVALUATED ALTERNATIVES**

**No Action:** The no-action alternative to the proposed water main project would mean maintaining the current status quo. This will result in residents continuing to utilize their existing water supply, which is contaminated with arsenic. For these reasons, this alternative was rejected.

**Extending Potable Water Service to Garden City:** This alternative would involve extending a new water main to the community and replacing the existing lines within the community. This alternative would eliminate the need for ground water wells. For these reasons, this alternative was selected.

## **VII. ENVIRONMENTAL IMPACTS OF THE FEASIBLE ALTERNATIVES**

### **A. Direct Impacts of Construction and Operation**

**Undisturbed/Disturbed Land:** All work for the proposed project will occur on land previously disturbed by road construction.

**Structural Resources:** This project will not affect these resources. The SRF Loan Program's Section 106 finding pursuant to the National Historic Preservation Act is: "no historic properties affected". See Figure RICH 7.

**Surface Waters and Wetlands:** The proposed water main project will not cross any streams or waterways. The project will not adversely affect waters of high quality listed in 327 IAC 2-1-2(3), exceptional use streams listed in 327 IAC 2-1-11(b), natural, scenic, and recreational rivers and streams listed in 312 IAC 7-(2), salmonid streams listed in 327 UAC 2-1.5-5(a)(3), or waters on the outstanding rivers list (Natural Resources Commission Non-rule Policy Document). See Figure RICH 1.

There are no designated wetlands within the project area. Therefore, no wetlands will be impacted by the construction or operation of the project.

**100-Year Floodplain:** The project area does not lie within a 100-year floodplain. See Figure RICH 6.

**Groundwater:** There are no known or anticipated affects to the groundwater or the water table as a result of this project. The project will not affect a Sole Source Aquifer.

**Plants and Animals:** The construction and operation of the proposed project will not negatively impact state or federal-listed endangered species or their habitat. The project will be implemented to minimize impact to non-endangered species and their habitat.

**Prime Farmland:** The proposed project will not impact prime farmland.

**Air Quality:** This project will have no long term negative impacts on air quality. Short-term air quality impacts will be related to construction work.

**Open Space and Recreational Opportunities:** The proposed project will neither create nor destroy open space and/or recreational opportunities.

## **B. Indirect Impacts**

The corporation's Preliminary Engineering Report (PER) states: *Indiana-American Water Company, through the authority of its Board, planning commission, or other means will ensure that future developments, as well as future supply, storage, distribution, or treatment works projects connecting to SRF-funded facilities will not adversely impact wetlands, archaeological/historical/structural resources, or other sensitive environmental resources. INAW will require new development and treatment works projects to be constructed within the guidelines of the U.S. Fish and Wildlife Service, IDNR, IDEM, and other environmental review authorities.*

## **C. Comments from Environmental Review Authorities**

This document serves as the first notice to the U.S. Fish and Wildlife Service, The Indiana Department of Natural Resources Division of Historic Preservation and Archaeology, and the IDNR Environmental Unit.

The Natural Resources Conservation Service, in correspondence dated June 3, 2009, stated:



*The project to install 10,400 feet of new pipe along US 27 in the City of Richmond, Wayne County, Indiana, as stated in your letter received May 8, 2009, will not cause a conversion of prime farmland.*

## **VIII. MITIGATION MEASURES**

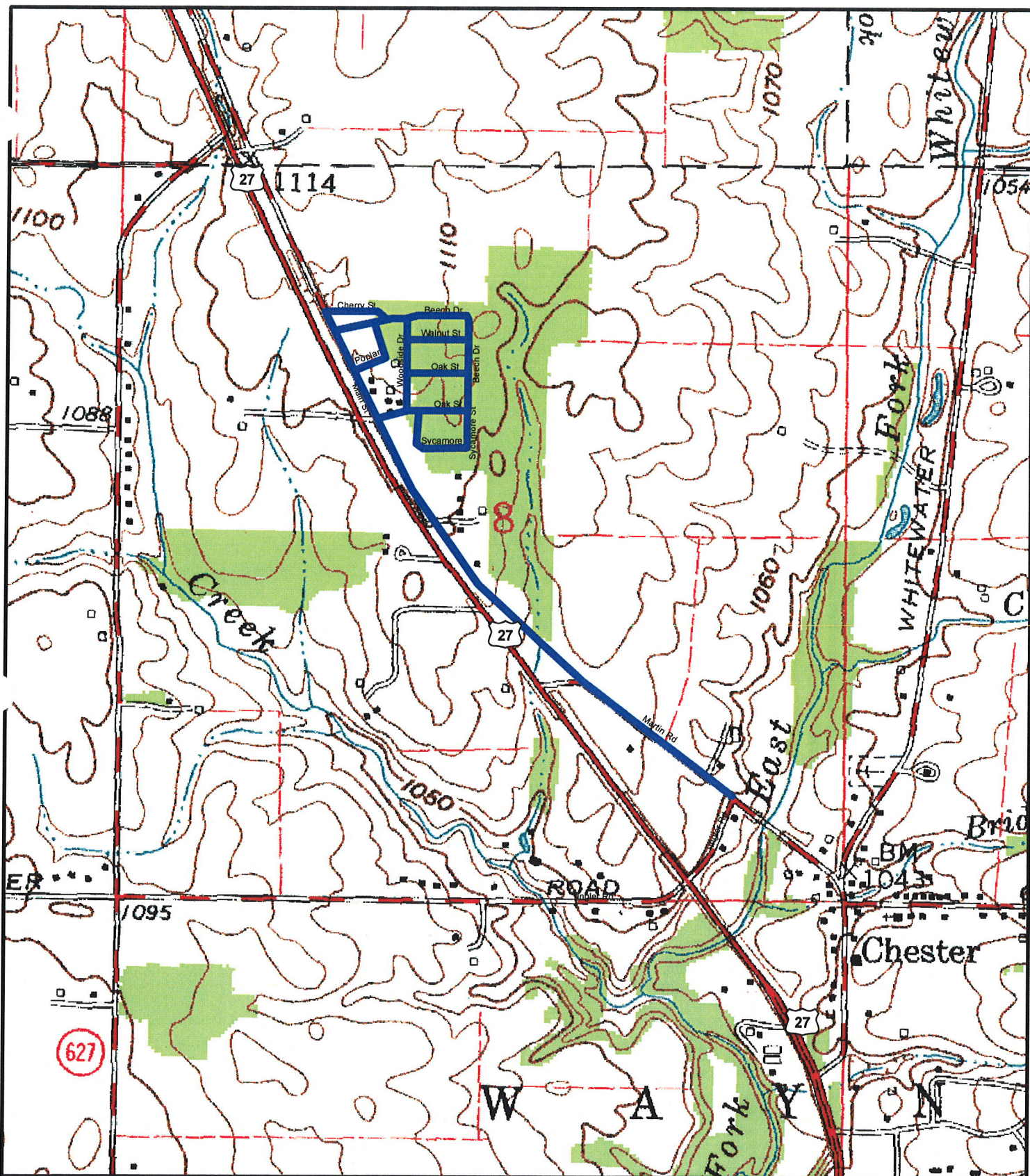
The corporation's PER states:

*Mitigative measures to limit erosion and siltation will include the following:*

- a. Sedimentation may be a concern during construction during construction. The program shall meet applicable federal, state, and local laws, ordinances and standards pertaining to storm water management, sediment and erosion control.*
- b. Natural vegetation will be retained wherever feasible.*
- c. Excavations will be limited to rights-of-way wherever possible.*
- d. Appropriate agronomic practices (sediment basins, seeding, mulching) will be provided to control runoff, including shoreline and stream crossings, if applicable.*
- e. Drainage systems, including surface and subsurface drainage, will be returned to their natural state as soon as possible, if disturbed.*
- f. Roadways and parking lots will remain stabilized during construction to the extent possible.*
- g. When possible, construction activities will be scheduled to avoid excessively wet conditions.*
- h. No more than 100 feet of open trench will be allowed at one time. Excavated material will be kept to the upland side of the trench where possible. Excess material will be used elsewhere on the project.*
- i. The existing topsoil will be reused during the restoration process, if applicable.*
- j. If necessary, discharge from dewatering will be directed to sedimentation basins or controls prior to discharging into surrounding surface waters.*
- k. The adverse impacts caused by dust may be alleviated by periodically wetting the exposed soil and unpaved roadways to reduce the suspension of particles.*

## **IX. PUBLIC PARTICIPATION**

A properly noticed Public Hearing was held on Monday July 27, 2009 at 6:00 pm at Highland Heights Elementary School, 1751 East Chester Road, Richmond, IN. There were no written comments received by the utility during the 5-day period following the public hearing.



**FIGURE RICH 1 - LOCATION MAP**

Project site is located in Wayne Township, Wayne County, Section 8, Township 14 North, Range 15 East (Fountain City, Indiana USGS Quadrangle Maps).

**Legend**

— Proposed Route



0 205 410 820 1,230 1,640 Feet



INDIANA  
**AMERICAN WATER**

**RICHMOND DISTRICT  
GARDEN CITY  
MOBILE HOME PARK**







**FIGURE RICH 6 - FLOODPLAINS MAP**

Proposed project route: connect to existing 12" water main at the intersection of Martin Rd. and Tingler Rd., continue north along SR 27 until Cherry St. Install main along Cherry St., Beech Dr., Walnut St., Oak St., Downing St., Woodside Dr., Poplar St., and Sycamore St. Installing approximately 10,400' of 8" pipe.

**Legend**

-  floodplain\_general\_in
-  Proposed Route



0 205 410 820 1,230 1,640 Feet

  
**INDIANA**  
**AMERICAN WATER**

**RICHMOND DISTRICT**  
**GARDEN CITY**  
**MOBILE HOME PARK**





**FIGURE RICH 7 - HISTORICAL SITES MAP**

**Wayne County, Wayne Township - Wayne Township  
Scattered Sites #40001-129**

**Legend**

- Proposed Route
- Historical Sites

0 205 410 820 1,230 1,640 Feet



  
**INDIANA**  
**AMERICAN WATER**  
**RICHMOND DISTRICT**  
**GARDEN CITY**  
**MOBILE HOME PARK**